640-0004 / 640-0006

640-0007 / 640-0009

Faxback Doc. # 2921

Material Safety Data Sheet

MSDS Date : 6/7/95

MSDS No: 7001

Multicore Solders, Inc.
1751 Jay Ell Drive
Richardson, TX 75081
Preparer: Robert Gilbert
Information: 214-238-1224
IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING CHEMICALS CALL:800-424-9300

Identity:

Date Printed : 6/7/95

60/40 ROSIN CORE 370	Sn60 (Sn60Pb40) 366 FLUX
Sn60 (Sn60Pb40) 399 FLUX	Sn60 (Sn60Pb40) WRAP2
Sn60 (Sn60Pb40) WRAP3	Sn60 (Sn60Pb40) WRMAP3
Sn60 (Sn60Pb40) WRP3	

RADIO SHACK CAT. NO.: 64-004, 64-006, 64-007, 64-009

Transportation Requirements:

D.O.T. Hazard Class: N/A
D.O.T. Proper Shipping Name: N/A
UN/NA Code: N/A
D.O.T. Label Required: N/A
Packing Group: N/A

N.F.P.A. /Health: 2
Reactivity: 0
Fire: 0

Section I (Hazardous Ingredients / Identity Information)

Hazardous Components	CAS. Number	OSHA Pel	ACGIH TLV	SARA313 Percent
Lead	7439-92-1	0.05 mg/m ^{3}	0.15 mg/m ^{3}	35-40
Tin	7440-31-5	2 mg/m^3	2 mg/m ^{3}	55-60
Rosin core solder decomposition products as resin acids colophony	8050-09-7	Sensitizer. Reduce exposure as low as possible.		1-4

Section II (Hazardous Ingredients / Identity Information)

Boiling Point: N/A
Vapor Density (Air=1): N/A
Evaporation Rate (Butyl Acetate=1): N/A

Specific Gravity: (Water = 1) @ 25° C: 8
Vapor Pressure (mm Hg.): N/A
Percent Volatile By Volume: N/A
Melting Point: 183 °C

Solubility in Water:Insoluble.

Appearance and Odor: Gray metal with neutral odor.

Section III (Fire and Explosion Hazard Data)

Flash Point (Method Used) N/A

Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Special Fire Fighting Procedures: Use full body protective clothing and full face piece, self-contained breathing appartatus operated in a positive-pressure mode.

Unusual Fire and Explosion Hazards: Do not use water on fires where molten metal is present. High temperatures may produce heavy metal fumes, dust and or vapor.

Section IV (Reactivity Data)

Stability: Unstable? No Stable? Yes

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition or By-products:

High temperatures may produce heavy metal fumes, dust and or vapors.

Hazardous Polymerization:

May Occur?No Will Not Occur?Yes

Conditions to Avoid: None Known

NL - Not Listed N/A - Not Applicable

Section V (Health Hazard Data)

Routes of Entry:

Inhalation? Yes Skin? No Ingestion? Yes Other: None

Health Hazards (Acute and Chronic)

Acute: Weakness, vomiting, loss of appetite, convulsions, stupor and possibly coma.

Chronic: Weakness, insomnia, hypertension, slight irritation of the eyes, headache, possible paralysis. Chronic overexposure to lead may result in damage to blood-forming, nervous, urinary and reproductive system.
California Proposition 65 Warning! This product contains a chemical known to the state of California to cause cancer, and that may cause birth defects or other reproductive harm.

Carcinogenicity: NTP? No IARC Monographs? Yes OSHA Regulated? No Other? No
Formaldehyde formed during the decomposition of rosin flux is listed as a suspected human carcinogen by ACGIH. Lead listed by IARC as 2B.

Signs and Symptoms of Exposure:

Dust, vapor and or fumes may be irritating to skin, eyes and respiratory system.

Medical Conditions Generally Aggravated by Exposure:

Note to physicians: Lead and its inorganic compounds are neurotoxins which may produce neuropathy. Rosin is an allergen.

Emergency First Aid Procedures

Eyes: Flush with copious quantities of water. Get medical attention.
Skin: Wash with soap and water.
Inhalation: Remove from exposure. Get medical attention if experiencing effects of overexposure.
Ingestion: Get immediate medical attention.

Section VI (Precautions for Safe Handling and Use)

Steps to be Taken in Case Material is Released or Spilled:

Particulate matter should be stored in dry containers for later disposal. Dust material should be vacuumed or wet swept. Do not use compressed air or dry sweeping as a means of cleaning.

Waste Disposal Method:

Dispose of in accordance with local, state and federal regulations. Consult a licensed hazardous waste company.

Precautions to be Taken in Handling and Storing:

Wash hands with soap and water after handling solder. Store in dry area. Avoid skin contact. Avoid breathing smoke during soldering.

Other Precautions: None known.

Section VII (Control Measures)

Respiratory Protection (Specify Type):

As specified by 29 CFR 1910.1025 (F) if exposure exceeds PEL.

Ventilation:

Local exhaust : Remove smoke from breathing area. Special: None needed
Mechanical (General): Adequate Other: None needed.

Protective Gloves: Impervious

Eye Protection: Face shield or safety glasses

Other Protective Clothing or Equipment:

Personal clothing and shoes should be protected from contamination. Eye wash station.

Work/Hygenic Practices:

Do not eat, drink or smoke in work areas. Wash hands thoroughly before eating or smoking.